



PATENT APPLICATION  
Docket No. 9898-321  
Client No. SS-18146-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL	MAILING LABEL NO. <u>EL982132711US</u>
	DATE OF DEPOSIT: <u>NOVEMBER 12, 2003</u>
I HEREBY CERTIFY THAT THIS PAPER AND ENCLOSURES AND/OR FEE ARE BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO: MAIL STOP PATENT APPLICATION, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.	
<u>HILLARY A. DIXON</u> (SENDER'S PRINTED NAME)	 (SIGNATURE)

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



Enclosed for filing is a patent application under 37 CFR 1.53(b) of:

Inventor(s): Ki-Yeon Park, Sung-Tae Kim, Young-Sun Kim, In-Sung Park,  
Jae-Hyun Yeo and Ki-Vin Im

For: CAPACITOR OF SEMICONDUCTOR MEMORY DEVICE THAT HAS  
COMPOSITE  $\text{Al}_2\text{O}_3/\text{HfO}_2$  DIELECTRIC LAYER AND METHOD OF  
MANUFACTURING THE SAME

This application is a ☒ continuation-in-part of prior application Serial No. 10/452,979 filed June 2, 2003.

Prior application info: Examiner: not yet assigned Group Art Unit: 2812

Applicant requests FIG. 1E to be published with the application.

Enclosures:

☒ Specification (pages 1-11); claims (pages 12-15); abstract (page 16)

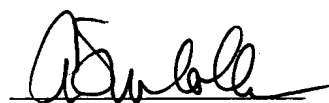
CLAIMS AS FILED				
For	Number Filed	Number Extra	Rate	Basic Fee \$770
Total Claims	27-20	7	x \$ 18 =	\$126.00
Independent Claims	3-3	0	x \$ 86 =	\$0.00
TOTAL FILING FEE				\$896.00

- ☒ ELEVEN sheet(s) of FORMAL drawings (comprising 18 figures)
- ☒ Combined Declaration and Power of Attorney (unsigned)
- ☐ Assignment with cover sheet
- Assignee Name and Address: Samsung Electronics Co., Ltd.  
Suwon-city, Kyungki-do Republic of Korea
- ☒ Certified copy of Priority Document No. 2002-69997, filed November 12, 2002, from which priority is claimed.
- ☒ PTO 1449 Information Disclosure Statement with 1 cited reference
- ☒ Return Postcard

**Customer No. 20575**

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.



Alan T. McCollom  
Reg. No. 28,881

MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, OR 97205  
503-222-3613